

% Yield Worksheet

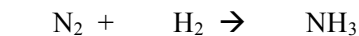
Define the following:

Actual Yield

Theoretical Yield

What is the formula for Percent Yield?

Balance the following reactions and then use them to answer the questions below.



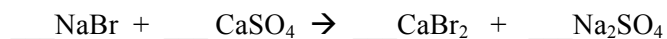
1. If 3.0 grams of NH_3 is the actual yield when you expect to get 7.2 g, what is the percent yield?

2. If the reaction above takes place with a yield of 72.3%, what will you actually get if you expect to produce 25.0g?



3. When 20.0 g of NaOH decompose, what is your theoretical yield of water?

4. What is the percent yield if you actually produce 3.40 g?



5. When 76.0 g of NaBr are **used** and only 22.1 g of CaBr_2 are **produced**, what is the percent yield?

6. When 34.0 g of CaSO_4 are **used** and only 15.1 g of Na_2SO_4 are **produced**, what is the percent yield?